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PTO/SB/05 14381
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UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No. **HER-1**

First Inventor or Application Identifier **A. Papathanasiou**

Title **Adaptive Filter for Communication System**

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b)) Express Mail Label No.

APPLICATION ELEMENTS		ADDRESS TO:	
See MPEP chapter 600 concerning utility patent application contents		Assistant Commissioner for Patents Box Patent Application Washington, DC 20231	
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)	5. <input type="checkbox"/> Microfiche Computer Program (Appendix)		
2. <input checked="" type="checkbox"/> Specification (Total Pages 12) (preferred arrangement set forth below) - Descriptive title of the invention - Cross References to Related Applications - Statement Regarding Fed sponsored R & D - Reference to Microfiche Appendix - Background of the invention - Brief Summary of the invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure	6. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Copy b. <input type="checkbox"/> Paper Copy (identical to computer copy) c. <input type="checkbox"/> Statement verifying identity of above copies		
3. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) (Total Sheets 12)	ACCOMPANYING APPLICATION PARTS		
4. <input type="checkbox"/> Oath or Declaration (Total Pages 2) a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. § 1.63(d)) (for continuation/divisional with Box 16 completed) i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).	7. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s)) 8. <input checked="" type="checkbox"/> 37 C.F.R. § 3.73(b) Statement of Power of Attorney (when there is an assignee) <input checked="" type="checkbox"/> 9. <input type="checkbox"/> English Translation Document (if applicable) 10. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations 11. <input type="checkbox"/> Preliminary Amendment 12. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 13. <input checked="" type="checkbox"/> Small Entity Statement filed in prior application (PTO/SB/09-12) Status still proper and desired 14. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed) 15. <input checked="" type="checkbox"/> Other: 6 references		

* NOTE FOR ITEMS 1 & 17: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.37), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.37).

16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:
Continuation ☐ Divisional ☐ Continuation-in-part (CIP) ☐ of prior application No: _____
Prior application information: Examiner _____ Group / Art Unit: _____
For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

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Signature **Hung Chang Lin**

Date **July 24, 2001**

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31017 U.S. PTO
09/911764
07/25/01

0002/PTO Rev. 10/95	U.S. Department of Commerce Patent and Trademark Office	Complete If Known
<h1 style="margin: 0;">FEE TRANSMITTAL</h1>		Application Number
		Filing Date
		First Named Inventor
		Group Art Unit
		Examiner Name
TOTAL AMOUNT OF PAYMENT (\$)		395.00
		Attorney Occult Number
		HER-1

METHOD OF PAYMENT (check one)	FEE CALCULATION (continued)																																																																																																																																																																																										
<p>1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Account Number </p> <p>Deposit Account Name </p> <p><input type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance, 37 CFR 1.311(b)</p> <p>2. <input checked="" type="checkbox"/> Payment Enclosed:</p> <p style="margin-left: 20px;"> <input checked="" type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other </p>	<h3 style="margin: 0;">3. ADDITIONAL FEES</h3> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Fee Code</th> <th>Entry Fee (\$)</th> <th>Small Fee Code</th> <th>Entry Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>105</td> <td>130</td> <td>205</td> <td>65</td> <td>Surcharge - late filing fee or oath</td> <td></td> </tr> <tr> <td>127</td> <td>50</td> <td>227</td> <td>25</td> <td>Surcharge - late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>139</td> <td>130</td> <td>139</td> <td>130</td> <td>Non-English specification</td> <td></td> </tr> <tr> <td>147</td> <td>2,390</td> <td>147</td> <td>2,390</td> <td>For filing a request for reconsideration</td> <td></td> </tr> <tr> <td>112</td> <td>570*</td> <td>112</td> <td>570*</td> <td>Requesting publication of SIR prior to Examiner action</td> <td></td> </tr> <tr> <td>113</td> <td>1,740*</td> <td>113</td> <td>1,740*</td> <td>Requesting publication of SIR after Examiner action</td> <td></td> </tr> <tr> <td>115</td> <td>110</td> <td>215</td> <td>55</td> <td>Extension for response within first month</td> <td></td> </tr> <tr> <td>116</td> <td>380</td> <td>216</td> <td>190</td> <td>Extension for response within second month</td> <td></td> </tr> <tr> <td>117</td> <td>900</td> <td>217</td> <td>450</td> <td>Extension for response within third month</td> <td></td> </tr> <tr> <td>118</td> <td>1,400</td> <td>218</td> <td>700</td> <td>Extension for response within fourth month</td> <td></td> </tr> <tr> <td>119</td> <td>290</td> <td>219</td> <td>145</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>120</td> <td>290</td> <td>220</td> <td>145</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>121</td> <td>250</td> <td>221</td> <td>125</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>128</td> <td>1,430</td> <td>138</td> <td>1,430</td> <td>Petition to institute a public use proceeding</td> <td></td> </tr> <tr> <td>140</td> <td>110</td> <td>240</td> <td>55</td> <td>Petition to revive unrevocably abandoned application</td> <td></td> </tr> <tr> <td>141</td> <td>1,250</td> <td>241</td> <td>625</td> <td>Petition to revive unintentionally abandoned application</td> <td></td> </tr> <tr> <td>142</td> <td>1,250</td> <td>242</td> <td>625</td> <td>Utility issue fee (or reissue)</td> <td></td> </tr> <tr> <td>143</td> <td>430</td> <td>243</td> <td>215</td> <td>Design issue fee</td> <td></td> </tr> <tr> <td>144</td> <td>630</td> <td>244</td> <td>315</td> <td>Plant issue fee</td> <td></td> </tr> <tr> <td>122</td> <td>130</td> <td>122</td> <td>130</td> <td>Petitions to the Commissioner</td> <td></td> </tr> <tr> <td>123</td> <td>50</td> <td>123</td> <td>50</td> <td>Petitions related to provisional applications</td> <td></td> </tr> <tr> <td>126</td> <td>220</td> <td>126</td> <td>220</td> <td>Submission of Information Disclosure Sheet</td> <td></td> </tr> <tr> <td>581</td> <td>40</td> <td>581</td> <td>40</td> <td>Recording each patent assignment per property (times number of properties)</td> <td>40</td> </tr> <tr> <td>146</td> <td>750</td> <td>246</td> <td>375</td> <td>Filing a submission after final rejection (37 CFR 1.129(a))</td> <td></td> </tr> <tr> <td>149</td> <td>750</td> <td>249</td> <td>375</td> <td>For each additional invention to be examined (37 CFR 1.129(b))</td> <td></td> </tr> <tr> <td colspan="6">Other fee (specify) _____</td> </tr> <tr> <td colspan="6">Other fee (specify) _____</td> </tr> <tr> <td colspan="5" style="text-align: right;">SUBTOTAL (1) (\$)</td> <td>355</td> </tr> <tr> <td colspan="5" style="text-align: right;">SUBTOTAL (2) (\$)</td> <td></td> </tr> <tr> <td colspan="5" style="text-align: right;">SUBTOTAL (3) (\$)</td> <td>40</td> </tr> </tbody> </table> <p>* Reduced by Basic Filing Fee Paid</p>	Large Fee Code	Entry Fee (\$)	Small Fee Code	Entry Fee (\$)	Fee Description	Fee Paid	105	130	205	65	Surcharge - late filing fee or oath		127	50	227	25	Surcharge - late provisional filing fee or cover sheet		139	130	139	130	Non-English specification		147	2,390	147	2,390	For filing a request for reconsideration		112	570*	112	570*	Requesting publication of SIR prior to Examiner action		113	1,740*	113	1,740*	Requesting publication of SIR after Examiner action		115	110	215	55	Extension for response within first month		116	380	216	190	Extension for response within second month		117	900	217	450	Extension for response within third month		118	1,400	218	700	Extension for response within fourth month		119	290	219	145	Notice of Appeal		120	290	220	145	Filing a brief in support of an appeal		121	250	221	125	Request for oral hearing		128	1,430	138	1,430	Petition to institute a public use proceeding		140	110	240	55	Petition to revive unrevocably abandoned application		141	1,250	241	625	Petition to revive unintentionally abandoned application		142	1,250	242	625	Utility issue fee (or reissue)		143	430	243	215	Design issue fee		144	630	244	315	Plant issue fee		122	130	122	130	Petitions to the Commissioner		123	50	123	50	Petitions related to provisional applications		126	220	126	220	Submission of Information Disclosure Sheet		581	40	581	40	Recording each patent assignment per property (times number of properties)	40	146	750	246	375	Filing a submission after final rejection (37 CFR 1.129(a))		149	750	249	375	For each additional invention to be examined (37 CFR 1.129(b))		Other fee (specify) _____						Other fee (specify) _____						SUBTOTAL (1) (\$)					355	SUBTOTAL (2) (\$)						SUBTOTAL (3) (\$)					40
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SUBMITTED BY			Complete If Applicable	
Typed or Printed Name	Hung Chang LIN		Reg. Number	28,739
Signature	Hung Chang Lin	Date	7/24/01	Deposit Account User ID